JAP7 Rec'd PCT/PTO 09 AUG 2006

Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES WLI-001A **DESIGNATED/ELECTED OFFICE (DO/EO/US)** APPLICATION NO. (If known, see 37 CFR 1.5) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 PRIORITY DATE CLAIMED INTERNATIONAL FILING DATE INTERNATIONAL APPLICATION NO. 25 March 2004 (25.03.2004) PCT/US2005/009500 March 2005 (22.03.2005) TITLE OF INVENTION Ultraviolet Laser System for Decomposing Chemical Pollutants APPLICANT(S) FOR DO/EO/US Waheed Mukaddam et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1. X This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). 5. X A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). 6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). ARECE DED is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). 7. X Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. 8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. X An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).

11. X An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
 12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
 13. A preliminary amendment. (Substituting new claims 31 - 71 for original claims 1 - 30)

An English language translation of the annexes of the International Preliminary Examination Report under PCT

14. An Application Data Sheet under 37 CFR 1.76.

Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

15. A substitute specification.

10.

16.  $\overline{X}$  A power of attorney and/or change of address letter. (included with inventor Declaration)

17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.

18. A second copy of the published International Application under 35 U.S.C. 154(d)(4).

19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## IAP11 Rec'd PCT/PTO 09 AUG 20061

PTO-1390 (Rev. 07-2005)
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	U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO.			ATTORNEY'S DOCKET NUMBER WLI-001A			
10/588930			PCT/US2005/009	500	WLI-UUIA		
20. Other	items or information	on:					
The follo	owing fees have b	een submitted			CALCULATIONS	PTO USE ONLY	
	c national fee (37 (	\$ 300.00					
22. 🏋 Exan	nination fee (37 CF	R 1.492(c))	·				
If the written opin	ion prepared by IS	SA/US or the inten	national preliminary examinat	ion report prepared	\$ 200.00		
by IPEA/	US indicates all cla	aims satisfy provis	sions of PCT Article 33(1)-(4).	\$0			
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Search fee (37 C	FR 1.445(a)(2)) ha	as been paid on th	ne international application to	the USPFO as an	<b>s</b> 100.00		
International Sea	arch Report prepare	ed by an ISA othe	r than the US and provided to	the Office of			
	TOTAL OF 21, 22	2 and 23 =			\$ 600.00		
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CLAIMS NUMBER FILED			NUMBER EXTRA	RATE	\$		
Total claims	Total claims 41 - 20		21	x \$50	<b>\$</b> 1,050.00		
Independent cla	ims	2 -3=	0	x \$200	\$ -0-		
MULTIPLE DEP	ENDENT CLAIM(S	S) (if applicable)		+ \$360	\$ N/A		
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d. Fees are to be charged to a credit ca be included on this form. Provide of	o in the amount of \$ to cover the above fees.  sed.  ed to charge any additional fees which may be required, or credit any overpayment to Deposit the copy of this sheet is enclosed.  d. WARNING: Information on this form may become public. Credit card Information should not redit card information and authorization on PTO-2038.  er 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed
SEND ALL CORRESPONDENCE TO:  David Silverstein Andover-IP-Law 44 Park Street, Suite 300 Andover, MA 01810	SIGNATURE  David Silverstein  NAME  26,336  REGISTRATION NUMBER

EXPRESS MAILING UNDER 37 C.F.R. § 1.10\* (Express Mail label number is mandatory.)

(Express Mail certification is optional.)

I hereby certify that this paper, along with any document referred to, is being deposited with the United States Postal Service on this date <u>August 9, 2006</u>, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 as "Express Mail Post Office to Addressee" Mailing Label No. EQ 142620626 US

(type or print name of person mailing pager)

Re Application of:	Due Date: Sept. 25, 2006
Waheed Mukaddam eTal.	Mailed: Aug. 9, 2006
<b></b>	Mailer: DS/1rs
For: Ultraviolet Laser System for D	7588930  Docket WLI-001A
Seriai No. Patent No.	Docket: WLI-001A
In the above matter, the following has been received in the stamped hereon.  XI Specification, Abstract and (Sec. 371 + Page)	ne U.S. Patent and Trademark Office on the date
(30 ) Claims — (24 ) Total Pages	XX Amendment Preliminary
X Declaration and Power of Attorney X Drawing ( 1 sheets) (Figs. 1 and 2)	XX Cert. of Mailing Express Mail  Maintenance Fee Transmittal
Assignment	☐ Affidavit (w/wo Exhibits)
X Check \$ 825.00	☐ Notice of Appeal
☐ Request for Recordation	☐ Brief ( ) copies
▼ Information Disclosure Statement	☐ Issue fee transmittal
Small entity verification     Transmittal Letter to DO/EO/US     ■ Transmitt	XX Transmittal Jetter 35 U.S.C. 371
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Practitioner's Docket NoWL	I-001A
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**CHAPTER II** 

## Preliminary Classification:

Proposed Class:

Subclass:

NOTE: "All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand comer of the letter of transmittal accompanying the application papers, for example Proposed Class 2, subclass 129." M.P.E.P., § 601, 7th ed.

> INFORMATION DISCLOSURE STATEMENT ACCOMPANYING NEW APPLICATION TRANSMITTAL

## TO THE UNITED STATES ELECTED OFFICE (EO/US) (ENTRY INTO U.S. NATIONAL PHASE UNDER CHAPTER II)

INTERNATIONAL A	PPLICATION	NO.	INT	ERNATIO	NAL FILING DATE		PRIOR	TY DATE	CLAIMED
PCT/US2005			March	2005	(22.03.2005)	25	March	2004	(25.03.2004)
TITLE OF INVENT	ON								
Ultraviole	t Laser	System	for D	ecomp	osing Chemical	Po.	llutan	ts	<del></del>
APPLICANT(S)			•						
Waheed Muk	addam e	t al.					<del> </del>		
Mail Stop Po Commission P.O. Box 14 Alexandria,	er for Pa 50								
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for Patents, P.O.	<b>Box 1450,</b> 2620626	Alexandria US	, VA 2231	3-1450 &	in an envelop as "Express Mail Post (	Office	to Addre	see" M	ailing Label
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	(T	rensmittel l	Letter to t	he Unite	ed States Elected Offic	e (EC	)/US) [13	-18}—pa	ige 1 of 10)

10/588930 IAP11 Rec'd PCT/PTO 09 AUG 2006

## IN THE UNITED STATES PATENT OFFICE AS DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

Applicant:

Waheed Mukaddam et al.

International Application No.:

PCT/US2005/009500

International Filing Date:

22 March 2005 (22.03.2005)

Title:

ULTRAVIOLET LASER SYSTEM FOR

DECOMPOSING CHEMICAL POLLUTANTS

Agent's File Reference:

WLI-001A

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

> "Express Mail" Mailing Label Number: EQ 142620626 US Date of Deposit: August 9, 2006

I hereby certify that the attached international application PCT/US2005/009500 published as WO 2005/094906, a Transmittal Letter Under 35 U.S.C. 371, an executed Declaration/Power of Attorney, an Information Disclosure Statement, check for \$825.00, and a mailroom postcard are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and are addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

> Leslie R. Silverstein (Type or print name of person mailing paper)

nature of person mailing paper)